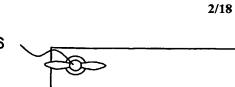


FIG. 1



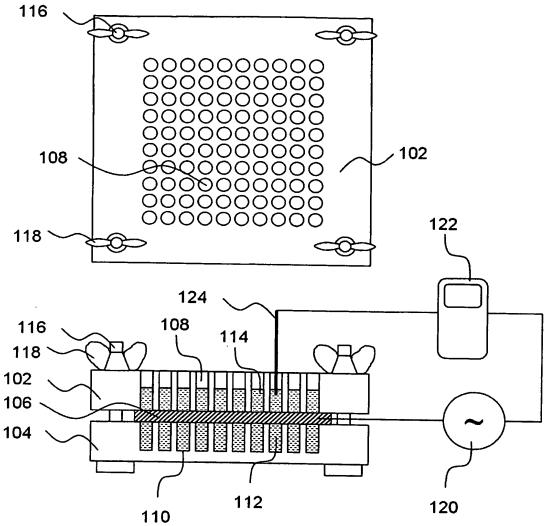


FIG. 2

Abb i di	
Abbreviation	Name
Azone	1-Dodecyl Pyrrolidone
BDAC	Benzyl Dimethyl Dodecyl Ammonium Chloride
CBC	Cocamidopropyl Betaine
CBCAS	Cocamidopropyl Hydroxysultaine
CBOL	Oleyl Betaine
Cineole	Cineole
CTAB	Cetyl Trimethyl Amonium Bromide
DA	Dodecyl Amine
DPC	Dodecyl Pyridinium Chloride
HPS	Hexadecyl Trimethyl Ammoniopropane Sulfonate
IM	Isopropyl Myristate
LA	Lauric Acid
Limonene	Limonene
Linoleic	Linoleic Acid
Linolenic	Linolenic Acid
Menthol	Menthol (terpene)
ML	Methyl Laurate
MP	1-Methyl-2-Pyrrolidone
NLS	N Lauryl Sarcosine (CAS number 137-16-6 often
	called Sodium Lauroyl Sarcosinate)
NS	Nicotine Sulfate
Oleic	Oleic Acid
OTAB	Octyl Trimethyl Ammonium Bromide
PEGE	PolyEthyleneGlygol Dodecyl Ether
PP	1-Phenyl Piperazine
S20	Span 20/Sorbitan Monolaurate
SLA	Sodium Lauryl Ether Sulfate
SLS	Sodium Dodecyl Sulfate
SO	Sodium Oleate
SOS	Sodium Octyl Sulfate
Tetra	Tetracaine
TR	Triton
Tween 20	

FIG. 3

		_	-			_			
Other			1	Meninol	1	Ξ	6	CIDEO	
Azono liko	Chominal	Chemical	0.000	Azone	Š	¥0	OIA	22	
Fatty Ester			Tetra	Icha	IRA	IIAI	S	00	
	Fathy Acid	יייין איייי	Oleic	200	1 inclosic	Ell loloio	Δ-	5	
Nonionic	Surfactant		Tween 20	1	220	2	PEGE		0
Zwitterionic	Surfactant		HPS		CBOL		CBCAS		ראט –
Anionic	Surfactant	0.0	55.5		NLS		SOS		A S
Cationic	Surfactant	CTAD	CIAB	000	נים	0,00	BUAC	0.110	Seg
			ממנא	מֹיִינִים בּי	Block Z DPC		BIOCK 3	1 1 1 2	DIOCK 4 DIAB

FIG. 4

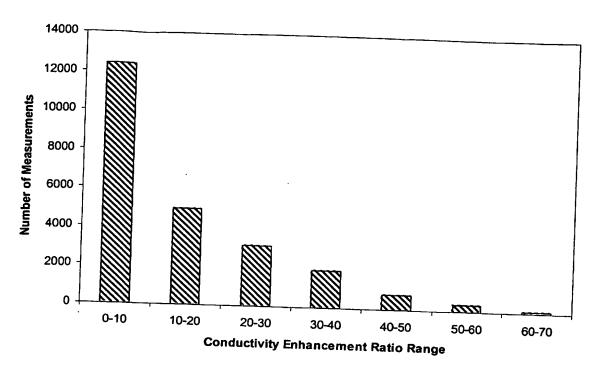


FIG. 5

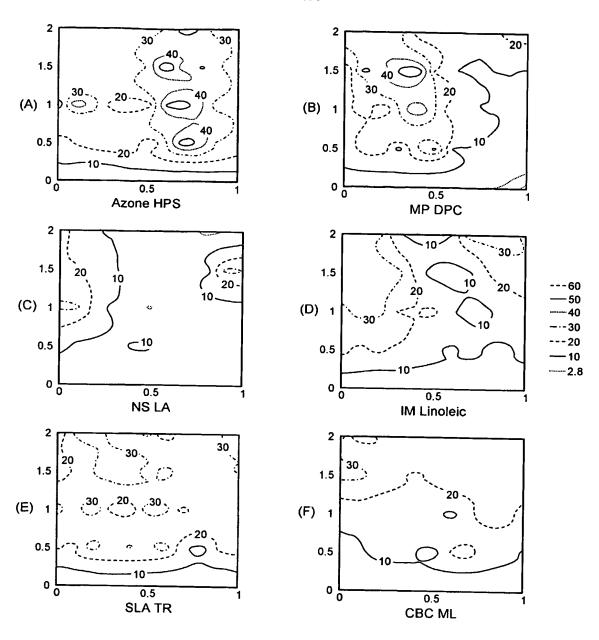


FIG. 6

		Max Enhancement	ent			Max Syneray		
	wt Fr	Tot Conc	ER	S	wt Fr	Tot Conc	ä	U
imonene PP	0.5	0.5	41.3	4.1	0.5	0.5	7 7	7
CBOL S20	0.3	1.5	35.0	3.0	0.3	1.5	35.0	- C
	0.7	0.5	65.4	3.4	0.7	0.5	65.4	5 6
NLS S20	9.0	1.0	50.0	2.2	0.5	0.5	41.1	7
NLS MP	0.5	0.5	54.0	4.0	0.5	0.5	2 0	2 5
TR Limonene	9.0	1.5	46.7	17	80	0.5	2.50	5 6
SOSLA	9.0	1.5	53.1	23	90	2.7	52.4	5 6
SLA TR	0.2	2.0	45.1	3.1	020	2.0	45.1	2.7
Cineole LA	0.5	1.5	48.6	6.	10	10	42.2	- 4
Menthol Oleic	0.4	1.5	37.8	7.3	0.4	i ri	37.8	2 6
Tetra HPS	0.1	2.0	44.5	14	03	1.5	72.0	5 5
			•		2			,

Irritation Potential of Selected CPEs

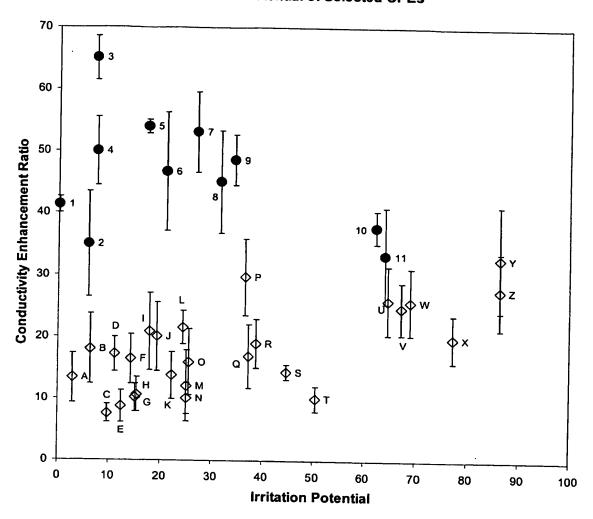


FIG. 8

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Symbol	CPE Combination
1	Limonene PP
2	CBOL S20
3	SLA PP
4	NLS S20
5	NLS MP
6	TR Limonene
7	SOS LA
8	SLA TR
9	Cineole LA
10	Menthol Oleic
11	Tetra HPS

FIG. 9

T
CPE
PP (0.5%)
NLS (0.5%)
CTAB (0.5%)
SLA (0.5%)
S20 (0.5%)
CBOL (1.5%)
PEGE (0.5%)
S20 (1.5%)
Linoleic (1.5%)
IM (1.5%)
Linolenic (0.5%)
CBCAS (2%)
TR (1.5%)
S20 (1.0%)
ML (1.5%)
NLS (1.0%)
HPS (2.0%)
TR (2.0%)
BDAC (0.5%)
DA (0.5%)
LA (1.5%)
Tetra (2.0%)
Azone (2.0%)
DPC (1.5%)
BDAC (2.0%)
Linoleic (1.0%)

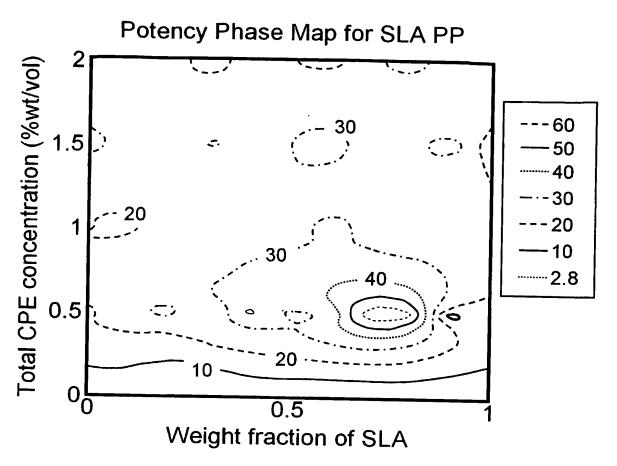


FIG. 11

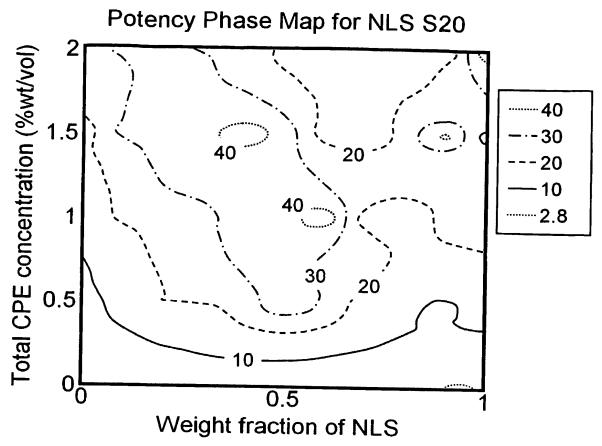


FIG. 12

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Permeability Enhancement of Inulin

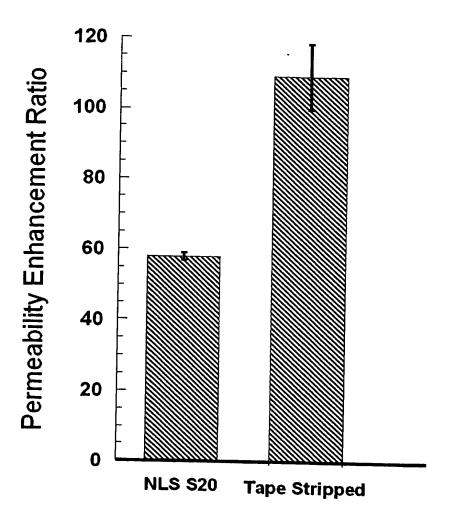


FIG. 13

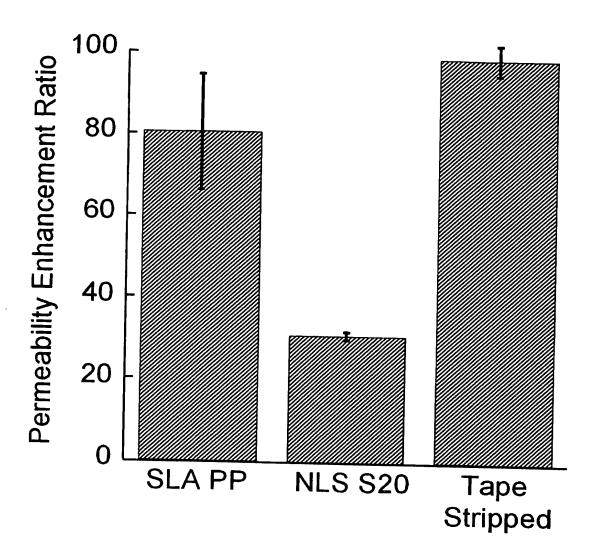


FIG. 14

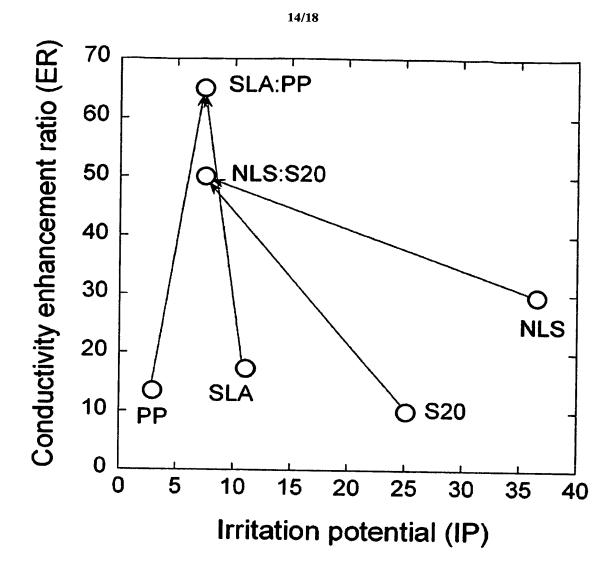


FIG. 15



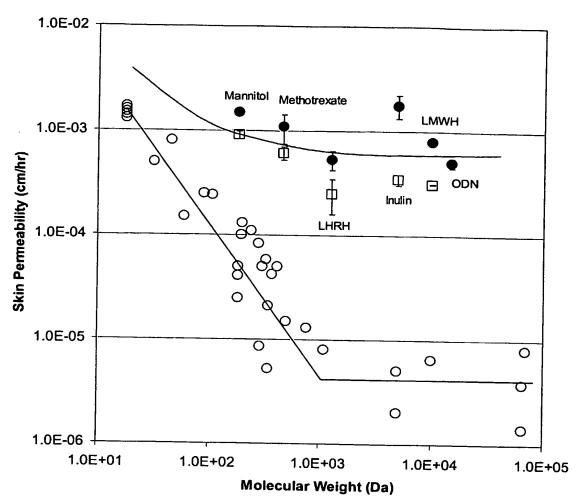


FIG. 16

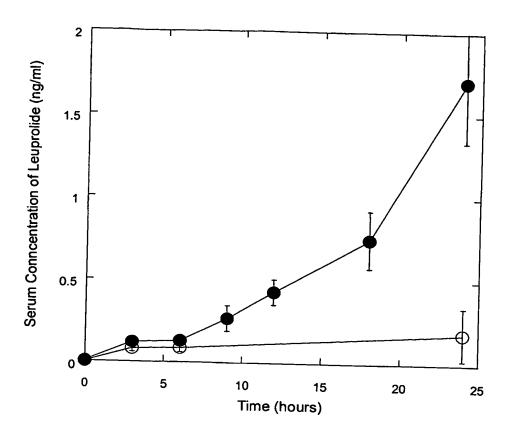


FIG. 17

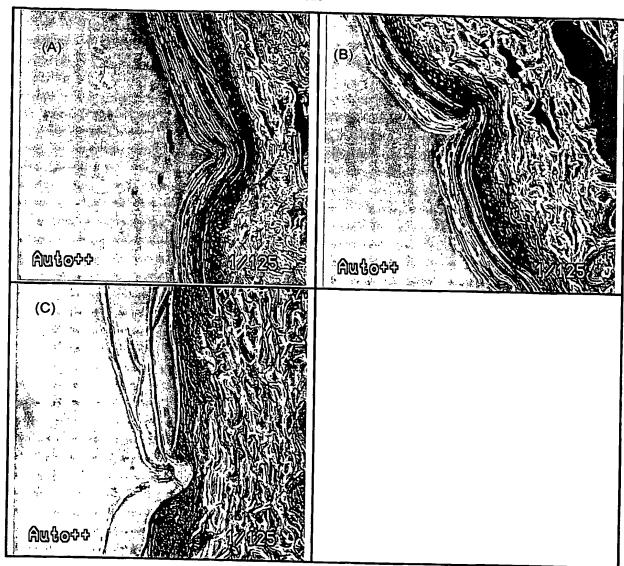


FIG. 18

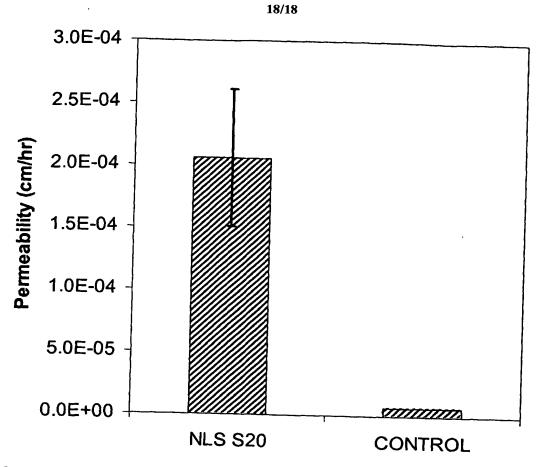


FIG. 19